

WHAT IS CLAIMED IS:

1. A data editing method for performing editing on binary data by using plural templates having keywords, comprising:

5           an assignment step of assigning each of plural binary data to one of said plural templates based on said keywords; and

            a construction step of, upon reproduction of said plural binary data by using said plural templates,  
10       constructing reproduction data so as to reproduce said plural binary data in accordance with the result of assignment at said assignment step.

2. The data editing method according to claim 1, wherein  
15       at said assignment step, each of said plural binary data is assigned to one of said plural templates, based on comparison between the keywords of said plural templates and keywords of said plural binary data.

20       3. The data editing method according to claim 2, wherein the keyword of said binary data is described in meta data added to each binary data.

4. The data editing method according to claim 1, wherein  
25       said binary data is image data, and wherein at said assignment step, each of said plural binary data is

assigned to one of said plural templates, based on comparison between image feature amounts of the keywords of said plural templates and image feature amounts of keywords of said plural binary data.

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5. The data editing method according to claim 1, further comprising a designation step of designating one of plural themes to which different combinations of plural different templates are linked,

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wherein at said assignment step, processing is performed by using plural templates linked to the theme designated at said designation step.

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6. The data editing method according to claim 1, further comprising a designation step of designating a desired binary data group,

wherein at said assignment step, processing is performed on respective binary data of the binary data group designated at said designation step.

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7. The data editing method according to claim 1, wherein each of said plural templates has a limitation number for assignment of binary data, and wherein at said assignment step, if binary data more than the limitation number of one template are assigned to the template, remaining binary data are assigned to a predetermined

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template among said plural templates.

8. The data editing method according to claim 7, wherein  
at said assignment step, if binary data more than the  
5 limitation number of one template are assigned to the  
template, said predetermined template is newly generated,  
and the remaining binary data are assigned to said  
generated predetermined template.

10 9. The data editing method according to claim 7, wherein  
each of said plural templates has plural keywords with  
priorities, and wherein at said assignment step, binary  
data corresponding to a high priority keyword is  
assigned to each template.

15 10. The data editing method according to claim 1,  
further comprising a deletion step of deleting a  
template to which binary data has not been assigned at  
said assignment step from said plural templates.

20 11. The data editing method according to claim 1,  
further comprising:

a designation step of designating a template upon  
reproduction of the reproduction data constructed at  
25 said construction step; and  
a reproduction step of reproducing the binary data

assigned to the templates at said assignment step by reproducing data on the template designated at said designation step from said reproduction data.

5 12. The data editing method according to claim 1,  
wherein said binary data is moving image data, and  
wherein at said construction step, the reproduction data  
is constructed by describing a display description for  
reproducing moving images assigned to the templates at  
10 said assignment step in the templates.

13. The data editing method according to claim 12,  
wherein at said construction step, if plural moving  
image data are display-described in one template,  
15 predetermined processing is performed on a joint between  
the respective moving image data.

14. The data editing method according to claim 12,  
wherein at said construction step, if plural moving  
20 image data are display-described, display descriptions  
are made so as to reproduce the respective moving image  
data in time-sequential order by date of generation.

15. The data editing method according to claim 12,  
25 wherein plural themes and plural templates are stored in  
storage means, wherein plural templates to be used are

registered in each of said plural themes,

and wherein said method further comprises a selection step of selecting a desired one of said plural themes,

5 further wherein processings at said assignment step and said construction step are performed on plural templates registered in the theme selected at said selection step.

10 16. The data editing method according to claim 15, wherein at said construction step, display descriptions are made for the plural templates registered in the theme selected at said selection step, and arranges the result of these descriptions as one file.

15 17. The data editing method according to claim 12, further comprising a determination step of, if the moving image data is assigned to plural templates, determining only one template in which said moving image  
20 data is display-described.

18. The data editing method according to claim 17, wherein at said determination step, a template, having another moving image data with a date of generation  
25 closest to that of the moving image data display-described in the plural templates, is determined as said

only one template.

19. The data editing method according to claim 12,  
wherein said template is described in a data description  
5 language.

20. The data editing method according to claim 12,  
wherein said moving image data has meta data linked to  
said moving image data, and wherein at said assignment  
10 step, assignment of moving image data is performed by  
searching for the meta data using said keyword.

21. The data editing method according to claim 20,  
wherein said meta data is described in a data  
15 description language.

22. The data editing method according to claim 12,  
wherein said meta data is added to each partial data  
divided from the moving image data, and wherein at said  
20 assignment step, assignment to template is performed by  
said partial data.

23. The data editing method according to claim 12,  
wherein said assignment step has:  
25 a conversion step of converting a keyword into an  
image feature amount;

an acquisition step of acquiring an image feature amount from moving image data; and

a search step of searching for a moving image corresponding to said keyword based on the image feature amount obtained at said conversion step and the image feature amount acquired at said acquisition step,  
and wherein the moving image found at said search step is assigned to the template.

24. The data editing method according to claim 23, wherein said image feature amount relates to location of color of image.

25. The data editing method according to claim 23, wherein said image feature amount is obtained from outline of object in the image.

26. The data editing method according to claim 12, wherein at said construction step, a title display is described in correspondence with said template.

27. The data editing method according to claim 15, wherein said theme includes a display description of title.

28. A data editing apparatus for performing editing on

binary data, comprising:

storage means for storing plural templates having keywords;

assignment means for assigning each of plural  
5 binary data to one of said plural templates based on said keywords; and

construction means for, upon reproduction of said plural binary data by using said plural templates, constructing reproduction data so as to reproduce said  
10 plural binary data in accordance with the result of assignment by said assignment means.

29. The data editing apparatus according to claim 28, wherein said assignment means assigns each of said  
15 plural binary data to one of said plural templates, based on comparison between the keywords of said plural templates and keywords of said plural binary data.

30. The data editing apparatus according to claim 29,  
20 wherein the keyword of said binary data is described in meta data added to each binary data.

31. The data editing apparatus according to claim 28, wherein said binary data is image data, and wherein said  
25 assignment means assigns each of said plural binary data to one of said plural templates, based on comparison



between image feature amounts of the keywords of said plural templates and image feature amounts of keywords of said plural binary data.

- 5 32. The data editing apparatus according to claim 28, further comprising designation means for designating one of plural themes to which different combinations of plural different templates are linked,

10 wherein said assignment means performs processing by using plural templates linked to the theme designated by said designation means.

33. The data editing apparatus according to claim 28, further comprising designation means designating a  
15 desired binary data group,

wherein said assignment means performs processing on respective binary data of the binary data group designated by said designation means.

- 20 34. The data editing apparatus according to claim 28, wherein each of said plural templates has a limitation number for assignment of binary data, and wherein if binary data more than the limitation number of one template are assigned to the template, said assignment  
25 means assigns remaining binary data to a predetermined template among said plural templates.

35. The data editing apparatus according to claim 34,  
wherein if binary data more than the limitation number  
of one template are assigned to the template, said  
5 assignment means newly generates said predetermined  
template, and assigns the remaining binary data to said  
generated predetermined template.

36. The data editing apparatus according to claim 34,  
10 wherein each of said plural templates has plural  
keywords with priorities, and wherein said assignment  
means assigns binary data corresponding to a high  
priority keyword to each template.

37. The data editing apparatus according to claim 28,  
further comprising deletion means for deleting a  
template to which binary data has not been assigned by  
said assignment means from said plural templates.

38. The data editing apparatus according to claim 28,  
further comprising:

designation means for designating a template upon  
reproduction of the reproduction data constructed by  
said construction means; and

25 reproduction means for reproducing the binary data  
assigned to the templates by said assignment means by

reproducing data on the template designated by said designation means from said reproduction data.

39. The data editing apparatus according to claim 28,  
5 wherein said binary data is moving image data, and  
wherein said construction means constructs the reproduction data by describing a display description for reproducing moving images assigned to the templates by said assignment means in the templates.

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40. The data editing apparatus according to claim 39,  
wherein if plural moving image data are display-described in one template, said construction means performs predetermined processing on a joint between the  
15 respective moving image data.

41. The data editing apparatus according to claim 39,  
wherein if plural moving image data are display-described, said construction means makes display  
20 descriptions so as to reproduce the respective moving image data in time-sequential order by date of generation.

42. The data editing apparatus according to claim 39,  
25 wherein plural themes and plural templates are stored in storage means, wherein plural templates to be used are

registered in each of said plural themes,

and wherein said apparatus further comprises  
selection means for selecting a desired one of said  
plural themes,

5 further wherein said assignment means and said  
construction means perform processing on plural  
templates registered in the theme selected by said  
selection means.

10 43. The data editing apparatus according to claim 42,  
wherein said construction means makes display  
descriptions for the plural templates registered in the  
theme selected by said selection means, and arranges the  
result of these descriptions as one file.

15 44. The data editing apparatus according to claim 39,  
further comprising determination means for, if the  
moving image data is assigned to plural templates,  
determining only one template in which said moving image  
20 data is display-described.

45. The data editing apparatus according to claim 44,  
wherein said determination means determines a template,  
having another moving image data with a date of  
25 generation closest to that of the moving image data  
display-described in the plural templates, as said only

one template.

46. The data editing apparatus according to claim 39,  
wherein said template is described in a data description  
5 language.

47. The data editing apparatus according to claim 39,  
wherein said moving image data has meta data linked to  
said moving image data, and wherein said assignment  
10 means performs assignment of moving image data by  
searching for the meta data using said keyword.

48. The data editing apparatus according to claim 47,  
wherein said meta data is described in a data  
15 description language.

49. The data editing apparatus according to claim 39,  
wherein said meta data is added to each partial data  
divided from the moving image data, and wherein said  
20 assignment means performs assignment to template by said  
partial data.

50. The data editing apparatus according to claim 39,  
wherein said assignment means has:  
25 conversion means for converting a keyword into an  
image feature amount;

acquisition means for acquiring an image feature amount from moving image data; and

search means for searching for a moving image corresponding to said keyword based on the image feature amount obtained by said conversion means and the image feature amount acquired by said acquisition means, and wherein the moving image found by said search means is assigned to the template.

10 51. The data editing apparatus according to claim 50, wherein said image feature amount relates to location of color of image.

52. The data editing apparatus according to claim 50, wherein said image feature amount is obtained from outline of object in the image.

53. The data editing apparatus according to claim 39, wherein said construction means describes a title display in correspondence with said template.

54. The data editing apparatus according to claim 42, wherein said theme includes a display description of title.

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55. A control program for executing data editing

processing by a computer for performing editing on  
binary data by using plural templates having keywords,  
wherein said control program comprising:

assignment process code for assigning each of  
5 plural binary data to one of said plural templates based  
on said keywords; and

construction process code for, upon reproduction  
of said plural binary data by using said plural  
templates, constructing reproduction data so as to  
10 reproduce said plural binary data in accordance with the  
result of assignment at said assignment process.